PROJECT NAME: Oculomotor Deception Detection Research, Development and Field Testing

RECIPIENT: Credibility Assessment Technologies, LLC

LOCATION: Salt Lake City, Utah

PURPOSE: Credibility Assessment Technology has developed an innovative, inexpensive, rapidly-administered and accurate deception detection technology for employment in pre-screening applicants for sensitive government positions. In addition, this technology can be used for screening foreign nationals applying for U.S. visas.

The new lie detection test uses a remote, state-of-the-art eye-tracking device to take precise measurements of pupil dilation and eye movement, called oculomotor measurements. These measurements are then recorded while subject is taking a computer-administered reading test which solicits yes or no answers. These answers are then evaluated using an algorithm developed by the project's lead inventor, Professor John C. Kircher. Professor Kircher currently works under grant on polygraph improvement for several government agencies.

For a small investment in expanded research and field testing, this technology could significantly reduce costs of evaluating applications while expanding the use of deception screening into applications where it has heretofore been too expensive to employ.

AMOUNT: $4,100,000